

**Claims**

5       What is claimed is:

10       1.       Truing tool for truing an essentially cylindrical grinding worm that is arranged on a tool spindle of a machine for continuous generation grinding in the tangential- and diagonal process, said truing tool comprising:

      an essentially cylindrical gear wheel having an abrasive coating on the surface that is active during truing to profile the flanks of the grinding worm;

15       an essentially cylindrical roll having an abrasive coating on its circumferential surface to adapt the diameter of the addendum circle of the grinding worm;

      the gear wheel and the roll being axial-resistantly and torsion-resistantly connected to a workpiece spindle of the machine.

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      2.       The truing tool of claim 1 wherein the gear wheel and the roll are torsion-resistantly connected to one another and are connectable axial-resistantly and torsion-resistantly with the work piece spindle as a tool unit.

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      3.       The truing tool of claim 1 wherein the gear wheel and the roll are a one piece unit.